Index

Author Index

Aserinsky, E. The Teaching Hour/Course Duration Ratio. 28(1): 40

Badeer, H. S. Elementary Hemodynamic Principles Based on Modified Bernoulli's Equation. 28(1): 41–46

Berliner, R. W. Julius Hiram Comroe, Jr. (1911–1984). 28(1): 3–4

Boyarsky, L. L. Department of Physiology and Biophysics at University of Kentucky. 28(6): 482–484

Bray, G. A. Regulation of Energy Balance. 28(3): 186–192

Campbell, K. B. Teaching Cardiovascular Integrations with Computer Laboratories. 28(3): 159–169

Canalis, E. Hormonal and Local Regulation of Bone Formation. 28(3): 178–185

Chang, M. C. Recollections of 40 Years at the Worcester Foundation for Experimental Biology. 28(5): 400–401

Chaudry, I. H. Cellular Alterations in Shock and Ischemia and Their Correction. 28(2): 109–118

Chua, B. H. L. Biochemical Correlates of Myocardial Hypertrophy. 28(1): 18–27

Davidson, J. M. George Alexander Feigen (1916–1983). 28(1): 31–32

DiBona, G. F. Functions of the Renal Nerves. 28(1): 47–52

Dill, D. B. Arlie V. Bock (1888–1984). 28(1): 31

Epstein, M. β-Blockers and the Kidney: Implications for Renal Function and Renin Release. 28(1): 53–63

Fee, E. Janet Howell Clark: Physiologist and Biophysicist (1889–1969). 28(5): 397–400

Fitch, O. K. Laboratory Exercise on Active Transport. 28(6): 517–519

Foreman, R. D. H. Lowell Stone (1936–1984). 28(4): 200

Frank, M. The Myth of Stabilization. 28(4): 196

Frank, M. Reflections. 28(4): 194

Frank, M. The Lady Doth Protest Too Much, Methinks. 28(5): 390

Frank, M. A Century of Progress. 28(6): 462

Gaar, K. A., Jr. Oxygen Transport: A Simple Model for Study and Examination. 28(5): 412–415

Gill, T. J., III. The Rat in Biomedical Research. 28(1): 9–17

Gordon, E. E. Biochemical Correlates of Myocardial Hypertrophy. 28(1): 18–27

Greenwald, S. G. ACDP Survey on Use of Animals in Teaching Physiology. 28(6): 478–479

Gregg, C. M. Careers for Physiologists in Departments of Biological and Animal Sciences. 28(2): 91–94

Groom, A. C. Alan Chadburn Burton. 28(2): 66–68

Guillemin, R. The Language of Polypeptides and the Wisdom of the Body. 28(5): 391–396

Herbison, G. J. Muscle Atrophy During Space Flight: Research Needs and Opportunities. 28(6): 520–527

Hollenberg, N. K. β-Blockers and the Kidney: Implications for Renal Function and Renin Release. 28(1): 53–63

Jukes, T. H. Opinions. 28(6): 480–481

King, F. A. Medical and Behavioral Benefits from Primate Research. 28(2): 75–87

Kira, Y. Biochemical Correlates of Myocardial Hypertrophy. 28(1): 18–27

Koepke, J. P. Functions of the Renal Nerves. 28(1): 47–52

Laburn, H. P. Pathophysiology of Temperature Regulation. 28(6): 507–519

Lessler, M. A. History of Physiology at The Ohio State University. 28(6): 491–501

Lowensohn, H. S. Donald Eaton Gregg (1902–1983). 28(2): 97–100

Magee, D. F. Physiology Department – Creighton University School of Medicine. 28(3): 139–140

Magoun, H. W. The First American-Based Handbook of Physiology. 28(1): 35–39

Maude, D. L. Acid-Base Disorders – A Computer Simulation. 28(2): 118–121

Michael, J. Computer-Based Education in the Biomedical Sciences. 28(5): 417–459

Mitchell, D. Pathophysiology of Temperature Regulation. 28(6): 507–519

Monge, C. Alberto Hurtado (1901–1984). 28(2): 100

Morgan, H. E. Biochemical Correlates of Myocardial Hypertrophy. 28(1): 18–27

Norman, A. W. The Vitamin D Endocrine System. 28(4): 219–232

Olson, L. E. Physiology Laboratories Quantifying Gas Exchange in Health and Disease. 28(3): 170–172

Olsson, R. A. Donald Eaton Gregg (1902–1983). 28(2): 97–100

O'Malley, F. K. The First American-Based *Handbook of Physiology.* 28(1): 35–39

Oster, J. R. β-Blockers and the Kidney: Implications for Renal Function and Renin Release. 28(1): 53–63

Peterson, N. S. Teaching Cardiovascular Integrations with Computer Laboratories. 28(3): 159–169

Pitts, G. C. History of Physiology at the University of Virginia. 28(5): 402–406

Reynolds, O. E. From Russia With Love. 28(6): 463–465

Rodman, A. C. Janet Howell Clark: Physiologist and Biophysicist (1889–1969). 28(5): 397–400

Rovick, A. A. Writing Computer Lessons. 28(3): 173–177

Samuels, W. M. Congress Establishes Broader National Policy for Lab Animal Welfare. 28(6): 477

Schriffin, M. J. Edmund Sigurd Nasset (1900–1985). 28(3): 155

Siehl, D. L. Biochemical Correlates of Myocardial Hypertrophy. 28(1): 18–27

Sillman, A. J. Current Concepts in Photoreceptor Physiology. 28(2): 122–128

Stalheim-Smith, A. Laboratory Exercise on Active Transport. 28(6): 517–519

Talbot, J. M. Muscle Atrophy During Space Flight Research Needs and Opportunities. 28(6): 520–527

Taylor, K. B. George Alexander Feigen (1916–1983). 28(1): 31–32

Watson, P. A. Biochemical Correlates of Myocardial Hypertrophy. 28(1): 18–27

Weiss, A. K. Department of Physiology and Biophysicist at University of Oklahoma Health Sciences Center. 28(6): 485–490

West, J. B. Retirement of Orr E. Reynolds as Executive Secretary-Treasurer. 28(3): 132–133

West, J. B. From Russia With Love. 28(6): 463–465

Yarbrough, C. J. Medical and Behavioral Benefits from Primate Research. 28(2): 75–87

Biographical Sketches and Items

Burton, A. C. 28(2): 66–68
Chang, M. C. 28(5): 400–401
Comroe, J. H., Jr. 28(1): 3–4
Frank, M. 28(1): 2
Gregg, E. G. 28(2): 97–100
Hardy, J. D. 28(6): 474
Hurtado, A. 28(2): 100
Morgan, H. E. 28(3): 141

Care and Use of Animals

Committee Report. 28(5): 409
Fox, I. J. Animal Care and Experimentation. 28(5): 409
Greenwald, S. G. ACDP Survey on Use of Animals in Teaching Physiology. 28(6): 478–479
Samuels, W. M. Three Lab Animal Bills May be Reintroduced in 99th Congress. 28(1): 8
Samuels, W. M. President Wants to End Federal Enforcement of Animal Welfare Program. 28(2): 73–74
Samuels, W. M. Public Health Service Makes Major Shift in Animal Policy. 28(3): 134
Samuels, W. M. House Bill Seeks Penalties for Break-ins at Research Facilities. 28(4): 195
Samuals, W. M. Congress Establishes Broader National Policy for Lab Animal Welfare. 28(6): 477

Careers in Physiology

Careers for Physiologists in Departments of Biological and Animal Sciences. 28(2): 91–94

Centennial Celebration

Committee Report. 28(6): 467

Editorials

Retirement of Orr E. Reynolds as Executive Secretary-Treasurer. John B. West. 28(3): 132–133
Reflections. Martin Frank. 28(4): 194
The Lady Doth Protest Too Much, Methinks. M. Frank. 28(5): 390
A Century of Progress. M. Frank. 28(6): 462

Education

Computer-Assisted Instruction and Simulation
Maude. 28(2): 118–121
Peterson and Campbell. 28(3): 159–169
Rovick. 28(3): 173–177

Computer-Based Education in the Biomedical Sciences. J. Michael. 28(5): 417–459

Physiology Teacher
28(1): 41–63
28(2): 109–128
28(3): 159–192
28(4): 219–232
28(5): 412–459
28(6): 502–519

CME Category I Credits
28(1): 46
28(2): 109
28(3): 178
28(4): 219

Symposium: Cellular Secretory Mechanisms of the Adrenal Medulla. Detroit Physiological Society. Wayne State University, Feb. 6, 1985. 28(4): 233–254

Teaching Methods
Badeer. 28(1): 41–46
Koepke and DiBona. 28(1): 47–52
Epstein, Oster, and Hollenberg. 28(1): 53–63
Chaudry. 28(2): 109–118
Olson. 28(3): 170–172
Canalis. 28(3): 178–185

Bray. 28(3): 186–192
Norman. 28(4): 219–232
Gaar. 28(5): 412–415
Teaching of Physiology. 28(6): 467
Tutorial Lectures
Sillman. 28(2): 122–128

Fellowship Awards and Prizes

Richard Bing Award. 28(2): 94
Peter Harris Distinguished Scientist Award. 28(2): 94
Volvo Awards. 28(2): 94
Leukemia Society Grants. 28(3): 169

Financial Affairs of APS

APS Endowment Fund. 28(4): 194

FASEB

LSRO Report. Bone Demineralization During Space Flight. S. A. Anderson and S. H. Cohn. 28(4): 212–217
New LSRO Studies Underway. Guidelines for Appropriate Use of Dietary Data from Large Field Surveys. 28(4): 217
Availability of Folate Report. 28(4): 217
LSRO Report. Muscle Atrophy During Space Flight: Research Needs and Opportunities, G. J. Herbison and J. M. Talbot. 28(6): 520–527

Governance of the Society

APS Council. 28(4): 201
APS Committees, Their Principal Functions and Membership (1985–86). 28(4): 201–206
APS Representatives of Other Organizations (1985–86). 28(4): 206–207

Health Benefits of Animal Research

Gill, T. J. III. The Rat in Biomedical Research. 28(1): 9–17
King, F. A., and C. J. Yarbrough. Medical and Behavioral Benefits from Primate Research. 28(2): 75–87

History

APS Photography Collection. 28(2): 88–90
Boyarsky. 28(6): 482–484
Chang. 28(5): 400–401
Fee. 28(5) 397–400
Lessler. 28(6): 491–501
Magee. 28(3): 139–140
O'Malley, F. K., and H. W. Magoun. 28(1): 35–39
Pitts. 28(5): 402–406
Rodman. 28(5): 397–400
Weiss. 485–490

Honors and Awards to APS Members

Celebration of E. F. Adolph's 90th Birthday. 28(5): 410
Daggs Award
28(3): 144
Previous Recipients
28(3): 144
Institute of Medicine. 28(4): 197
Knut Schmidt-Nielsen Honored. 28(5): 410
MacArthur Foundation Award. 28(4): 197
Passano Foundation Award. 28(4): 197
Orr E. Reynolds Award. 28(3): 140
Symposium on Nidation Held in Honor of M. C. Schelesnyak. 28(5): 410
Wiggers Award Lecture. Biochemical Correlates of Myocardial Hypertrophy. 28(1): 18–27

International News

From Russia With Love, J. B. West and O. E. Reynolds. 28(6): 463–465
Hungarian Physiological Society 50th Jubilee Congress, July 1–7, 1985. 28(1): 33
Joint Meeting of The (British) Physiological Society and APS, University of Cambridge, England, September 12–14, 1985. 28(1): 28–29

Meetings of the Society

Spring Meeting
Anaheim, California, Apr. 21–26, 1985.
FASEB Spring Meeting. Scientific Sessions; Symposia; Special Functions. 28(1): 30
Walter B. Cannon Memorial Lecture. 28(1): 30
133rd APS Business Meeting. 28(3): 142–143
Committee Report
Physiology and FASEB 1985. 28(3): 145–147
Gathering of APS Past Presidents. 28(4): 196
Schedule of Future Meetings
28(1): 32 28(3): 147
28(2): 95
Fall Meeting
Niagara Falls, New York, Oct. 13–18, 1985
36th Annual Fall Meeting
28(4): 260–261 28(6): 468–469
Satellite Symposium on Environmental Physiology. 28(4): 201
Abstracts. 28(4): 262–379
134th APS Business Meeting. 28(6): 465–467

Membership of APS: Statistics and Status Reports

Affiliate APS Societies. 28(6): 462
Deaths Reported
28(3): 158 28(6): 475
Honorary Members. 28(6): 470–471
Membership Status
28(3): 156–158 28(6): 472–473
Statistics on APS Membership. 28(2): 101–108
APS Election Results. 28(3): 141
Changes in Membership: Profile of APS. 28(1): 2
Sustaining Associates
28(1): 34 28(4): 195
28(2): 87 28(5): 410
28(3): 157 28(6): 481

Memorials to Physiologists

Evelyn M. Anderson (1899–1985). 28(6): 473
Arlie V. Bock (1888–1984). 28(1): 31
Emma Bockman (1946–1985). 28(2): 100
Janet Howell Clark: Physiologist and Biophysicist (1889–1969). E. Fee and A. C. Rodman. 28(5): 397–400.
George Alexander Feigen (1916–1983). 28(1): 31–32
George A. Feigen Memorial Lectureship. 28(4): 200
Edmund Sigurd Nasset (1900–1985). 28(3): 155
H. Lowell Stone (1936–1984). 28(4): 200
Stephen Hales Memorial. 28(2): 90

Miscellany

APS Volunteer Photographer Wanted. 28(3): 147
Letter to the Editor. The Teaching Hour/Course Duration Ratio. E. Aserinsky. 28(1): 40
Letter to the Editor. J. A. Holloway to O. E. Reynolds. 28(3): 134
Portrait Gallery of Physiologists. 28(3): 133

People You Should Know

McArdle, John. HSUS and Laboratory Animal Use. 28(2): 69–72
Reynolds, Orr E. Reflections Upon the Past to Provide a Vision of the Future of the American Physiological Society. 28(3): 135–138
Walgren, Doug. Guidelines and Role of Animal Care Committee. 28(1): 5–7

William T. Porter Fellowship

Porter Development Committee Report.
28(3): 147 28(4): 197–198

Presidents of the Society

Howard E. Morgan, 1985

Program Planning and Paper Presentation

Committee Report
28(4): 198 28(6): 467–468

Public Affairs

Committee Report. 28(3): 148
The Myth of Stabilization. Martin Frank. 28(4): 196
Funds Suspended After Animal Rights Groups Claim Abuse of Animals. W. M. Samuels. 28(5): 407
APS Expresses Concern; DHHS Gives a Reply. M. Frank. 28(5): 408

Publications of the APS

Committee Report. 28(3): 148–150
New Books. *Interaction of Platelets With the Vessel Wall* and *Effects of Anesthesia.* 28(3): 150–151
Second Book on Animal Welfare. *Animal Stress.* 28(4): 199
New Handbook on the Respiratory System. *Circulation and Nonrespiratory Functions.* 28(2): 95–96

Senior Physiologists

Committee Report.
28(3): 152
28(4): 198–199
Fifty-Year Members. 28(3): 154
News from Senior Physiologists
28(1): 33 28(4): 208–211
28(2): 96 28(5): 410–411
28(3): 152–154 28(6): 476

Special Interest Groups and Sectionalization of the Society

APS Sections. How to Become Affiliated. Officers. 28(4): 207–208
History of Physiology. 28(4): 199–200
Nervous System. 28(4): 200
Establishment of a New Muscle Group. 28(1): 29
Establishment of a Physiology Teaching Section Within APS is Proposed. 28(1): 29
MYOBIO Group Steering Committee. 28(6): 467